CLAIMS

What is claimed is:

1. A method for providing dynamic configuration ROM in a local node comprising:

a) providing first and second configuration ROM images in said local node;

b) setting said first configuration ROM image to "active";

c) setting said second configuration ROM image to "update"; and

d) publishing configuration ROM information of said local node from said "active" configuration ROM image.

2. The method of claim 1, further comprising:

a) providing modifications to said "update" configuration ROM image;

b) switching state of each said configuration ROM images; and

c) initiating a bus reset.

3. The method of claim 2, further comprising republishing said configuration ROM of said local node from said "active" configuration ROM image.

4. The method of claim 2, wherein said providing modification comprises:

a) storing modifications into a database and

b) construction said "update" configuration ROM image from said database.

5. The method of claim 2, wherein said switching state of each said configuration ROM images comprises:

a) setting current "active" configuration ROM image to "update"; and

c) setting current "update" configuration ROM image to "active".

6. The method of claim 1, wherein said local node is connected to at least one other nodes via a IEEE Standard 1394 bus connection.

7. The method of claim 1, wherein said local node is connected to at least one other nodes via a serial bus connection.

8. In a local node device, a dynamic configuration ROM software comprising:

a) first and second configuration ROM images, each of said images having configuration ROM entries, one of said configuration ROM images set as active, the other configuration ROM image set as update; and

b) publishing routines to publish said configuration ROM entries from said active ROM image.

9. The dynamic configuration ROM software of claim 8, further comprising services to provide modifications to said update ROM image, said publishing routines further comprising:

a) routines to switch state of each said configuration ROM images; and

b) routines to activate a bus reset.

10. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform a method for providing dynamic configuration ROM in a local node, said method comprising:

a) providing first and second configuration ROM images in said local node;

b) setting said first configuration ROM image to "active";

c) setting said second configuration ROM image to "update"; and

d) publishing configuration ROM information of said local node from said "active" configuration ROM image.

11. The program storage device of claim 10, said method further comprising:

a) providing modifications to said “update” configuration ROM image;

b) switching state of each said configuration ROM images; and

c) initiating a bus reset.

12. The program storage device of claim 11, said method further comprising republishing said configuration ROM of said local node from said “active” configuration ROM image.

13. The program storage device of claim 11, wherein said providing modification comprises:

d) storing modifications into a database and

e) construction said “update” configuration ROM image from said database.

14. The program storage device of claim 11, wherein said switching state of each said configuration ROM images comprises:

b) setting current “active” configuration ROM image to “update”; and

f) setting current “update” configuration ROM image to “active”.

15. The program storage device of claim 10, wherein said local node is connected to at least one other nodes via a IEEE Standard 1394 bus connection.

16. The program storage device of claim 10, wherein said local node is connected to at least one other nodes via a serial bus connection.